

IN THE ABSTRACT:

Please amend the abstract as follows:

A system, method, and computer program product for removing "narrowband" interference from a broader spectrum containing a UWB signal, in a receiver of the UWB signal.

The RFI is extracted from a broader spectrum to remove interference from the UWB signal, by employing an impulse response in a radio front-end of the UWB receiver that is matched with an incoming wavelet employed as part of a UWB signal to be received, matching the impulse response to the wavelet and its time-shifted and inverted versions, passing the wavelet unscathed through the receiver, and excising narrowband signals (continuous tones). Exemplary embodiments for the RFI extraction mechanism include a transmission line circuit, an active transmission line circuit, and an adaptable, controllable phase delay circuit.

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